

Message Text

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ACTION FBO-05

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O R 161500Z JAN 75

FM AMCONSUL LENINGRAD

TO SECSTATE WASHDC IMMEDIATE 0960

INFO AMEMBASSY MOSCOW

AMEMBASSY BONN

AMEMBASSY LONDON

AMCONSUL FRANKFURT

C O N F I D E N T I A L L E N I N G R A D 0050

EO 11652XGDS-3

TAGS: ABLD, ACOM, ASEC, UR

SUBJ: POWER PROBLEMS AND POST COMMUNICATIONS AREA

REF: LENINGRAD 1097 STATE 257013

MOSCOW FOR RSO; BONN FOR RCO; LONDON FOR ATO; FRANKFURT FOR RTC, RSS

1. BEGIN SUMMARY: AS REQUESTED, SOVIET ELECTRICAL ENGINEERS RECOMMENDED SPECIFIC PROPOSALS FOR WORK REQUIRED IN ORDER TO RESOLVE ELECTRICAL PROBLEM UP TO EMERGENCY GENERATOR ROOM. THEY ENVISIONED NO PROBLEM AND PROJECT ENTAILS TRANSFERRING POWER INPUT CABLES FROM CITY TRANSFORMER OF PANEL NUMBER 5 TO PANEL NUMBER 4 AND VICE VERSA, AND UPGRADING METERING, TRANSFORMERS AND INTERNAL CABLING IN PANEL NUMBER 4. THE SOVIETS ENSURED THAT THE CABLING FROM SUB-STATION TO CONSULATE BUILDING AND TO GENERATOR ROOM IS OF SUFFICIENT CAPACITY TO HANDLE POWER REQUIREMENT OF 225 AMPERES PER PHASE. PROJECT TO COMMENCE WEEK OF JANUARY 27 AND SHOULD TAKE ABOUT TWO DAYS TO COMPLETE

WITH MINIMUM, IF ANY, POWER OUTAGE. END SUMMARY.

2. AT THE OUTSET OF THE MEETING, THE SOVIETS POSITIVELY EXPRESSED THAT THERE WAS NO PROBLEM CORRECTING THE CONSULATE'S POWER REQUIREMENTS. THE CHIEF "LENZHILPROYEKT," ELECTRICAL ENGINEER, KOPLIYENKO, CONFIDENTIAL

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STATED THAT EXISTING ELECTRICAL CABLES EMANATING FROM THE CITY'S

TRANSFORMERS TO THE CONSULATE BUILDING, PANEL NUMBER 4, AND FROM PANEL NUMBER 4 TO THE CONSULATE'S EMERGENCY GENERATOR ROOM ARE CAPABLE OF HANDLING 225 AMPERES PER PHASE. HE CONFIRMED THAT PANEL NUMBER 4 IS PRESENTLY WIRED BY COPPER CABLE, 70 SQUARE MILLIMETERS CROSS SECTIONAL AREA, WHILE PANEL NUMBER 5, AS WELL AS THE CABLE ROUTED TO THE GENERATOR ROOM, IS WIRED BY 120 SQUARE MILLIMETERS

CROSS SECTIONAL AREA COPPER CABLING THAT CAN HANDLE 350 AMPERES PER PHASE. THE COPPER CABLE CAPACITY IS BASED ON SOVIET ELECTRIC SPECIFICATIONS STANDARDS AND INCLUDES SAFETY FACTOR. FURTHER, ACCORDING TO SOVIET ELECTRICAL STANDARDS, THE 120 SQUARE MILLIMETER CABLE CAN BE OVERLOADED TO A TOTAL OF 350 AMPERES FOR A PERIOD OF SIX HOURS.

3. THE PROJECT ENTAILS TRANSFERRING POWER CAPABILITY FROM PANEL NUMBER 5 TO PANEL NUMBER 4 AND VICE VERSA. PANEL NUMBER 4'S METERING, TRANSFORMERS, AND INTERNAL CABLING TO BE UPGRADED TO REQUESTED POWER CAPABILITY OF 225 AMPERES WITH SAFETY FACTOR AS INDICATED ABOVE.

4. ADDITIONALLY, AS WAS AGREED UPON WITH THE SOVIETS BY BARKMAN IN THE PAST, CONNECTING THE EMERGENCY GENERATOR POWER CABLES TO THE CHANGE OVER PANEL WILL BE ACCOMPLISHED AT THIS TIME AT US GOVERNMENT EXPENSE.

5. THIS ENTIRE PROJECT CAN BE ACCOMPLISHED IN ABOUT TWO DAYS WITH MINIMUM, IF ANY, POWER OUTAGE. KOPLIYENKO INQUIRED ABOUT GUARANTEEING PAYMENT FOR REQUESTED MODIFICATIONS. HE WAS ADVISED THAT IF COST WAS REASONABLE, US GOVERNMENT WOULD PAY FOR THE PROJECT, HOWEVER, A COST ESTIMATE IS REQUIRED. HE AGREED TO PROVIDE SAME AS SOON AS POSSIBLE.

6. ON A RELATED TOPIC. AS ADVISED BY FBO, THE POST WILL CONTACT EMBASSY LONDON FOR ASSISTANCE IN ARRANGING THE SERVICES OF A QUALIFIED TECHNICIAN FROM THE SERVICES AND TECHNICAL DEPARTMENTS OF DORMAN DIESELS LIMITED, STAFFORD, ENGLAND, TO PREPARE THE TWO EMERGENCY GENERATORS FOR INITIAL AND SUBSEQUENT STARTS AND TO PUT BOTH IN OPERATING CONDITION. THIS ALTERNATIVE SOLUTION IS STRONGLY RECOMMENDED SINCE THE GENERATORS HAVE BEEN IDLE FOR QUITE SOME TIME AND ONLY A QUALIFIED TECHNICIAN WOULD BE CAPABLE OF PERFORMING-
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ING THIS FUNCTION. ONCE COST IS DETERMINED, FUNDING DATA WOULD BE REQUIRED.

7. FOR EMBASSY MOSCOW. CAN A SEABEE BE ON STAND-BY FOR THE WEEK OF JANUARY 27 FOR APPROXIMATELY TWO DAYS TO ASSIST SOVIET ELECTRICAL ENGINEERS DURING ELECTRICAL MODIFICATIONS PROJECT?
NEUBERT

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